

AMENDMENTS TO THE CLAIMS:

Claims 1-26 (canceled)

27. (Previously presented): A backlight device comprising:
a two dimensional array of point light sources;
a light guide plate comprising a first surface and a second surface emitting light passing through the light guide plate; and a lens system positioned between the first surface and the second surface, the lens system being configured to collect light emitted from the light source and a two dimensional array of convex structures distributed uniformly in both dimensions on the first surface of the light guide plate, the lens system being aligned with a point light source in the array of point light sources.

28. (Previously presented): The backlight device as in claim 27, wherein the two dimensional array of convex structures comprises convex structures distributed uniformly in both dimensions on the first surface of the light guide plate.

29. (Previously presented): The backlight device as in claim 27, wherein the two dimensional array of convex structures comprises convex structures distributed in a two dimensional matrix across plane of the first surface of the light guide plate.

30. (Previously presented): The backlight device as in claim 27, wherein the first surface further comprises a planar surface from which the convex structures extend.

31. (Previously presented): The backlight device as in claim 27, wherein each convex structure has a recess directly facing each point light source.

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32. (Previously presented): The backlight [REDACTED] each point light source is not entirely received in the corresponding [REDACTED] picture.

33. (Previously presented): The backlight [REDACTED] at least a portion of each point light sources remains outside the corresponding recess of the convex structure.

34. (Previously presented): The backlight [REDACTED] the point light sources are positioned relative to the convex structure [REDACTED] from the point light sources are substantially received through the [REDACTED]

35. (Previously presented): The backlight [REDACTED] the point light sources are juxtaposed to the convex structure.

36. (Previously presented): The backlight [REDACTED] the two dimensional array of point light source comprises [REDACTED] LEDs.

37. (Previously presented): The backlight [REDACTED] the two dimensional array of LEDs are supported on a back [REDACTED]

38. (Previously presented): The backlight device as in claim 31, wherein the recess is an arc-shape recess.

39. (Previously presented): The backlight device as in claim 27, wherein the convex structure has at least one of a frustum shape or a truncated cone shape.

40. (Previously presented): The backlight device as in claim 27, wherein the convex structure has a proximal end portion and a distal end portion directly facing a corresponding point light source in the array of point light sources, and wherein cross-section of the convex structure reduces in area from the proximal end portion to the distal end portion.

41. (Previously presented): The backlight device as in claim 40, wherein the cross-section of the convex structure at the distal end portion is at least one of a circular shape, hexagon shape or another polygon shape.

42. (Previously presented): The backlight device as in claim 40, wherein the cross-section of the convex structure at the proximal end portion is at least one of a circular shape, hexagon shape or another polygon shape.

43. (Previously presented): The backlight device as in claim 40, wherein the point light sources are juxtaposed to the distal end portion of the convex structure.

44. (Previously presented): The backlight device as in claim 42, wherein the point light sources are positioned relative to the convex structures such that light emitted from the point light sources are substantially received through the convex structure.

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45. (Previously presented): The backlight device further comprises a diffusion sheet disposed between the backlight

46. (Previously presented): The backlight surface comprises a light guide pattern.

47. (Previously presented): The backlight pattern is at least one of jagged or uneven surface.

48. (Previously presented): The backlight plate comprises at least one of polyimide, polycarbonate, or a combination thereof.

49. (Previously presented): An LCD device comprising:
a backlight device as in claim 27; and
an LCD panel positioned relative to the light emitted from the light emitting surface.

50. (Previously presented): The LCD device comprising a diffusion sheet disposed between the LCD panel and the backlight device.

51. (Previously presented): A backlight device comprising:
a two dimensional array of point light sources.

a planar light guide plate comprising a first surface emitting light sources and a second surface emitting light passing through the first surface. The first surface comprises a two dimensional array of protrusions, each associated with a point light source in the array of point light sources.

52. (Previously presented): The backlight assembly of claim 51, wherein the protrusions comprises convex structures.